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MEMORANDUM

From: David Porter, SOUTHDIV

To: Lawson Anderson, EnSafe
Tonya Barker/Rob Williamson, NSA Memphis
Jack Carmichael, USGS
Jordan English/Jim Morrison, TDEC (Memphis)
Sue Hosmer, NSA Memphis
Keith Johns/Diane Cutler, EnSafe (Raleigh)
LCDR Terry Jones/LT Chuck Starkey, NSA Memphis
Mark Taylor, SOUTHDIV
Clint Willer, TDEC (Nashville)
David Williams, EPA Region IV

Subj: NSA MEMPHIS BRAC CLEANUP TEAM (BCT) MEETING, 22-24 JAN 96

Encl: (1) Minutes from 22-24 January 1996 BCT Meeting

1. Enclosure (1) is forwarded for your review and information.
2. Follow-up assignments are summarized below:

EnSafe (Lawson Anderson):

- Develop TEM/geological information map of the area at Hangar N-126 and the surrounding apron.
- Construct 3-D model of the area at Hangar N-126 and the surrounding apron.
- Incorporate finding-to-date for all Assembly A SWMUs in the Assembly A RFI report (submit report in sections - by SWMUs).
- Conduct field work at SWMUs 66.
- Conduct Assembly E field work (include radiation survey at SWMU 2).
- Conduct additional geoprobe pushes (to bottom of Fluvial if possible) at Hangar N-126 and the surrounding apron - data to be used to determine well placements.
- Conduct additional surface soil sampling (full scan analysis) at SWMU 1 (3 samples along the edge of the pavement) for risk assessment purposes.
- Develop a risk assessment of the Turkey Shoot area.
- Revise CAMP to reflect changes in DERA site dates (BRAC to have priority).
- Perform 3D geostatistics on data from upper and lower fluvial to determine if there is a correlation.
- Develop Technical Memorandum for the investigation of SWMU 10.
- Coordinate with Jack Carmichael in determining a list of parameters related to biotransformation for use in all future sampling.
- Develop posters for the next RAB meeting with aerial photographs of the frequently discussed sites: SWMU 7/apron area, SWMU 60, SWMU 5. Overlay boundaries of the SWMU on the photographs.
- Provide assistance to the BCT in developing and finalizing Business Plan.
- Ensure requests for location of utilities are submitted to Environmental a minimum of 2 weeks prior to scheduled field work (2 week timeframe needed for DynCorps).

EPA Region IV (David Williams):

- Provide review comments on RFI Reports for Assemblies A, B, and C before next BCT meeting (26 February).
- Provide review/approval on sampling plan for SWMU 66 by 9 February.
- Provide review/approval on work plan for SWMU 17 by 9 February.
- Confirm the IDW can be handled, awaiting analysis, on-site in bulk (rather than containerized). Confirm that a CAMU is not required.
- Provide a copy of the SWMU 45 NFA letter to Jim Morrison/TDEC.

NSA Memphis - Environmental (Tonya Barker/Rob Williamson):

- Coordinate the disposal of IDW from Assembly A investigation. Investigate the recycling of the drums as scrap metal, or the disposal of the drums at a landfill vs. DRMO disposal cost of \$ 10,000.
- Remove and dispose of soil pile at SWMU 1 using DynCorps.
- Coordinate with TDEC on radiation survey (survey scheduled for February).
- Complete Superfund Site Radiation Screening Protocol.
- Arrange for the cleanup of SWMU 67 and oversee the operations.
- Assuming no contamination is found during the sampling at SWMU 66, arrange for the cleanup by DynCorp, including the recycling of CFC from disposed refrigerators.
- Request meeting with TDEC Nashville RCRA personnel to discuss RCRA operations (such as transportation of hazardous waste) on the north side after the base becomes open to the public.
- Poll Mayor Harvell after RAB meeting for items of community interest.
- Obtain approval from AirOps for geoprobe/placement of a well within Hangar N-126.
- Obtain NSA Memphis approval for on-site handling of IDW at SWMUs 2 and 9.
- Determine if EnSafe can contract directly with DynCorps for the location of utilities.

SOUTHDIV (David Porter):

- Coordinate with John Karlyk (SOUTHDIV) on using the Army Corps of Engineers to excavate at SWMU 40 to confirm the presence of tanks.
- Include the Base Reuse Committee on the agenda for all future BCT meetings.
- Coordinate with the Base Reuse Committee on the placement of the roadway at SWMU 60.
- Coordinate with the Base Reuse Committee on the possibility of near term (summer 96) innovative property transfer of the airfield and apron.
- Develop a draft Business Plan and distribute to BCT members by 16 February.
- Confer with CAPT Mallory on RAB meeting introductions.

SOUTHDIV (Mark Taylor):

- Coordinate HSWA Permit renewal application (coordinate with Mr. Odus Johnson at EPA Region IV and James Worthy/SOUTHDIV).
- Negotiate additional scopes of work with EnSafe for the investigation of SWMUs 15, 21, and the installation of additional wells in the area around Hangar N-126.
- Arrange for a Data Quality Objectives course by NEPTUNE for the BCT (probably in April).
- Confirm with NAVSEA RASO that a radiation scan (versus sampling) is adequate for NSA Memphis needs.
- Contact the Tennessee Department of Transportation (TN DOT) to determine their position regarding the construction of roadways over construction debris landfills.
- Obtain geostatistical data generated by Dr. Rouhani on Turkey Shoot and SWMU 7.

TDEC (Jim Morrison):

- Provide review/approval on the sampling plan for SWMUs 66 by 9 February.
- Provide review comments on RFI Reports for Assemblies A, B, and C before the next BCT meeting (26 February).
- Organize radiation survey by TDEC personnel, based on list of potential sites provided by Rob Williamson (scheduled for February).
- Provide review/approval on the work plan for SWMU 17 by 9 February.
- Provide letter of concurrence with EPA Region IV's NFA decision for SWMU 45.
- Keep the BCT abreast of EPA training opportunities for Data Quality Objectives courses.
- Provide David Porter with a copy of the notification letter for delisting.

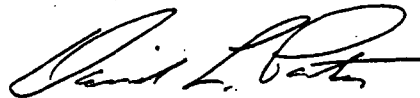
TDEC (Clint Willer):

- Conduct Public Hearing for delisting, scheduled for Tuesday, 27 February, 6:30 pm, Baker Community.
- Confer with TDEC counsel on the state's position regarding inovative land transfers (i.e., Navy transferring buildings and land surface, but retaining groundwater).

USGS (Jack Carmichael):

- Coordinate High Frequency Seismic work with the Kansas Geological Survey.
- Arrange for course on the use of modeling for BCT meeting in March.
- Coordinate with Frank Chapelle on providing technical assistance/consulting on intrinsic biotransformation and develop a list of parameters needed for biotransformation.

3. Please call/e-mail if you have comments and/or questions: (803) 820-5610, DSN 583, e-mail: dlporter@efdsouth.navfac.navy.mil.



NSA MEMPHIS BCT MEETING MINUTES
22-24 JANUARY 1996

The NSA Memphis BRAC Cleanup Team convened at 11:30 am on Monday 22 January in the CO's conference room, Building S-1. The following people were in attendance:

- Lawson Anderson, EnSafe (Memphis)
- Tonya Barker, NSA Memphis
- Jack Carmichael, USGS (Nashville)
- LCDR Darrell Creasey, NSA Memphis
- Keith Johns, EnSafe (Raleigh)
- CAPT Mallory, NSA Memphis
- Jim Morrison, TDEC (Memphis)
- David Porter, SOUTHDIV
- Mark Taylor, SOUTHDIV
- Rob Williamson, NSA Memphis

Clint Willer, TDEC (Nashville) was delayed in traveling and arrived late. David Williams, EPA Region IV, was also delayed in travel and did not arrive until after the meeting.

David Porter briefed CAPT Mallory on the content of the presentations for the RAB meeting Tuesday evening. Lawson Anderson discussed specific results from the additional testing at Gray Areas and Assembly A SWMUs, as well as initial test results from Assembly D SWMUs.

The meeting adjourned for lunch at 12:00 noon, and reconvened at 1:30 pm in the Environmental conference room, Building S-241. The following people were present:

- Lawson Anderson, EnSafe (Memphis)
- Tonya Barker, NSA Memphis
- Jack Carmichael, USGS (Nashville)
- Larry Hughes, EnSafe (Memphis)
- Keith Johns, EnSafe (Raleigh)
- Jim Morrison, TDEC (Memphis)
- David Porter, SOUTHDIV
- LT Chuck Starkey
- Mark Taylor, SOUTHDIV
- Clint Willer, TDEC (Nashville)
- David Williams, EPA Region IV
- Rob Williamson, NSA Memphis

Larry Hughes presented a series of color graphs of the tops of the Fluvial and Cockfield, and thickness of the Loess and Fluvial deposits. He noted that he has detected a conductive layer within the Loess. He is unsure what the conductive layer represents; it may be an aquatard with thin or missing areas which may be windows into the Fluvial deposits. David Williams

requested that Larry Hughes produce similar maps, focused on the detail around Hangar N-126 and the apron area. Larry Hughes noted that he can produce such a detail, as well as a 3-D plastic box of the area geology around the hangar.

The team discussed follow-up items from the previous meetings:

EnSafe (Lawson Anderson):

- Summarize DPT data for special BCT meeting in January (provide data to BCT members prior to Christmas holidays) and develop well placement strategy.
Has been completed.
- Incorporate finding-to-date for all Assembly A SWMUs in the Assembly A RFI report (submit report in sections - by SWMUs).
SWMU 3 has been completed. Completion of the remaining RFI Reports for Assembly A SWMUs is in progress.
- Coordinate with activity on the removal of the soil pile at SWMU 1 (arrange for excavation and loading - NSA Memphis will arrange for transportation and disposal). While backhoe is on site for SWMU 1, use the equipment to excavate at SWMU 40 to confirm the presence of tanks.
NSA Memphis is investigating the use of DynCorps to remove the pile. If DynCorps is utilized, either the Army Corps of Engineers or Murphy (accessed through EnSafe) will be used to excavate at SWMU 40 to confirm the presence of tanks.
- Develop "voluntary corrective action" plan for SWMU 60, based on additional sampling recently conducted. Additional test results indicate an area approximately 60 ft by 75 ft in the northwest corner of the site will need to be removed. This removal will be delayed, however, until more specific information is received from the community on the placement of a roadway to the west side of the runway. If the roadway is routed through the landfill, complete removal of the landfill will likely be required.
- Develop sampling plan for SWMUs 66 (field work scheduled for January/February 1996).
The sampling plan has been developed and will be forwarded for regulatory review the week of 29 January. Regulator approval is requested by 9 February.
- Conduct Assembly E field work (include radiation survey at SWMU 2).
- Drilling operations are underway on Assembly E SWMUs
- Develop work plan for waste tank removal at SWMU 17 (include full scan analysis on soil).
The work plan has been developed and will be forwarded for regulatory review the week of 29 January. Regulator approval is requested by 9 February.
- In conjunction with Mark Taylor, determine if 10 additional well clusters can be placed along the apron area under the existing scope of work, or if a modification to the scope must be developed.
The additional drilling will be performed under a new scope of work.
- Revise CAMP to reflect changes in DERA site dates (BRAC to have priority).
A revision to the CAMP is currently underway.
- Perform 3D geostatistics on data from upper and lower fluvial to determine if there is a correlation.
No work has been performed on 3D statistics. Mark Taylor will coordinate with Mike Maughon (SOUTH DIV) to provide EnSafe a copy of the 3D-geostatistics software (GSLIB).

EPA Region IV (David Williams):

- Provide review comments on RFI Reports for Assemblies A, B, and C as they become available.
David Williams reported that he is working on the reviews, and requested that the BCT review the comments as a group at the February BCT meeting.
- Provide review comments on sampling plan for SWMU 66 when it is completed.

The sampling plan will be forwarded to David Williams the week of 29 January. Approval of the plan is requested by 9 February.

- Provide NFA approval for SWMU 45.
Has been completed.
- Provide review comments on work plan for SWMU 17 when it is completed.
The work plan will be forwarded to David Williams the week of 29 January. Approval of the plan is requested by 9 February.

NSA Memphis - Environmental (Tonya Barker/Rob Williamson):

- Coordinate the disposal of IDW from Assembly A investigation. Investigate the recycling of the drums as scrap metal, or the disposal of the drums at a landfill vs. DRMO disposal cost of \$ 10,000.
NSA Memphis has submitted a delivery order to DynCorps. Work will begin soon with a completion date before 18 March. Rob Williamson is still working on the issue of recycling the drums as scrap metal.
- Coordinate with TDEC on radiation survey.
Per Jim Morrison, the radiation survey has been scheduled for February. Mark Taylor will contact the NAVSEA RASO to confirm that a radiation scan (versus sampling) is adequate.
- Complete Superfund Site Radiation Screening Protocol.
Per Rob Williamson, the survey is approximately 75% complete.
- Arrange for the cleanup of SWMU 67 and oversee the operations.
Per Rob Williamson, the removal will be conducted by DynCorps and field work should begin within 45 days. David Williams requested that both the EPA and TDEC be notified of the start of the work.
- Assuming no contamination is found during the sampling at SWMU 66, arrange for the cleanup by DynCorps, including the recycling of CFC from disposed refrigerators.
On hold, pending the sampling work.
- Request meeting with TDEC Nashville RCRA personnel to discuss RCRA operations (such as transportation of hazardous waste) on the north side after the base becomes open to the public.
Meeting has not been requested.
- Coordinate with EnSafe on the removal of the soil pile at SWMU 1 (EnSafe will handle excavation and loading - NSA Memphis will arrange for transportation and disposal).
NSA Memphis is arranging to have DynCorps conduct the removal.
- Provide copies of personality descriptions from Please Understand Me for BCT members.
Copies were provided to the team members. Also, copies of the test were provided to Keith Johns and Robert Smith.
- Locate property owner south and east of SWMU 2 to obtain permission to enter property to conduct sampling.
It has been determined that the property is owned by the Tennessee Department of Transportation (TN DOT) for right-of-way. Jack Carmichael will coordinate with the TN DOT for access to the property.

SOUTHDIV (David Porter):

- Develop FOSL for space in Building N-126.
FOSL has been completed.

SOUTHDIV (Mark Taylor):

- Coordinate HSWA Permit renewal application (coordinate with Mr. Odus Johnson at EPA Region IV and James Worthy/SOUTHDIV).
SOUTHDIV has contracted with EnSafe to prepare the Part B/HSWA permit renewal application.

- Check into the possibility of having Mike Maughon/SOUTHDIV and Rouhani/Georgia Tech putting on a statistics course for the BCT during a special meeting 3-4 January.
Has been completed.
- In conjunction with Lawson Anderson, determine if 10 additional well clusters can be placed along the apron area under the existing scope of work with EnSafe, or if a modification to the scope must be developed. Develop a scope modification if required.
The additional drilling will be performed under a new scope of work.
- Check into the possibility of having SOUTHDIV sponsor a course for the BCT in Data Quality Objectives. NEPTUNE is available to conduct the training. Mark Taylor will coordinate the effort once the BCT decides on a date for training.

TDEC (Jim Morrison):

- Provide review comments on the sampling plan for SWMUs 66 when it becomes available.
The sampling plan will be forwarded to Jim Morrison the week of 29 January. Approval of the plan is requested by 9 February.
- Provide review comments on RFI Reports for Assemblies A, B, and C as they become available.
Per Jim Morrison, reviews are underway. David Williams requested that the BCT review the comments as a group at the February BCT meeting.
- Organize radiation survey by TDEC personnel, based on list of potential sites provided by Rob Williamson.
Rob Williamson has provided a list of buildings and sites, and Jim Morrison has arranged for a radiation scan during February.
- Provide review comments on FOSL for space in Building N-126.
Has been complete (BCT conducted walk-through of the space on 03 January).
- Provide review comments on work plan for SWMU 17 when it is completed.
The work plan will be forwarded to Jim Morrison the week of 29 January. Approval of the plan is requested by 9 February.
- Provide letter of concurrence with EPA Region IV's NFA decision for SWMU 45.
Jim Morrison requested a copy of EPA's letter.
- Investigate Data Quality Objectives course with EPA once funding situation stabilizes.
SOUTHDIV is available to sponsor the course through NEPTUNE; however, Jim Morrison will continue to keep abreast of the EPA training opportunities.

TDEC (Clint Willer):

- Initiate removal of NSA Memphis from state's NPL.
Per Clint Willer, the process is underway. A Public Hearing is scheduled for Tuesday, 27 February, 6:30 pm, Baker Community Center. Keith Johns, EnSafe, will arrange for the meeting space. Clint Willer noted that notification letters have been mailed. David Porter stated that he had not received, and requested a copy.

USGS (Jack Carmichael):

- Coordinate High Frequency Seismic work with the Kansas Geological Survey.
Jack Carmichael has received a three-phase proposal from the Kansas Geological Survey. The first phase, a test to see if seismic is an appropriate method to use at the site, will cost approximately \$ 6,500 and should begin within the next 30 to 45 days. Assuming the first phase indicates that it is feasible, the second phase will cost approximately \$ 15,000 and will include a line to determine if a fault exists. The third phase, costing approximately \$ 38,000 will include several additional lines to fill data gaps.
- Arrange for course on the use of modeling for BCT meeting on 28 February.
Due to the heavy agenda for the February BCT, Jack Carmichael will arrange for the USGS to provide a presentation of modeling at the March BCT.

- Coordinate with Frank Chapelle on providing technical assistance/consulting on intrinsic biotransformation. Coordination on the effort is underway.

David Porter discussed a recent directive from NAVFAC regarding the annual BRAC Cleanup Plan update. As an alternative to the BCT update, the team may prepare a much shorter (not to exceed 15 pages) Business Plan. The Business Plan is due to NAVFAC by 1 March. David Porter discussed the required elements of the plan, and the team brainstormed on the question "What is needed to complete the cleanup/transfer?"

The meeting was adjourned for the day at 5:30 pm, and reconvened the next morning at 8:00 am. The following people were in attendance:

Lawson Anderson, EnSafe (Memphis)
 Tonya Barker, NSA Memphis
 Jack Carmichael, USGS (Nashville)
 Dan Cowen, EnSafe (Memphis)
 Jim Morrison, TDEC (Memphis)
 David Porter, SOUTHDIV
 Robert Smith, EnSafe (Memphis)
 LT Chuck Starkey
 Mark Taylor, SOUTHDIV
 Clint Willer, TDEC (Nashville)
 David Williams, EPA Region IV
 Rob Williamson, NSA Memphis

David Porter noted the reuse committee's recent letter on land transfer/lease priorities, and requested a team discussion of innovative land transfer arrangements, specifically the transfer of the airfield and apron buildings and land surface, with the Navy retaining ownership of the subsurface groundwater until cleanup is complete. Clint Willer stated that the State is OK with the concept, but the matter would of course require legal review. David Williams stated that he is also willing to pursue the matter, but that the community, State, and Navy needed to push the issue. David Porter will arrange a meeting with the community to determine their position. The community is awaiting a decision on their request to obtain the airfield through an Economic Development Conveyance (EDC), rather than a Public Benefit Conveyance (PBC). If they do not receive approval for an EDC, the future of the use of the land for an airport is uncertain.

The team discussed the placement of additional well in the apron area. It was decided that a well is needed under Hangar N-126 (bottom of the fluvial). Rob Williamson will talk to AirOps to determine if this is possible. It was also decided to use geoprobe to first gather data on other apron area wells. This field work can begin next week (is covered under the original scope of work with EnSafe). EnSafe will attempt to get to the lower fluvial with the geoprobe, if possible. EnSafe will put a rush on the laboratory, so that results can be obtained while the ~~rotosonic~~ ^{rotosonic} rig is still on site. The data from the geoprobe work will be used to plan the ^{rotosonic} well placements.

- * Clean down-gradient wells are needed to demonstrate that contamination is not moving off site.
- * Per David Williams, permanent wells are need to monitor the situation long term.

Jack Carmichael noted that he has reviewed boring data from the 1950s for the old hangar east of N-126. These borings were as deep as 100 feet, and depending on how they were closed, they could possibly be pathways to the Fluvial deposits.

Lawson Anderson provided an update on the issue of recent laboratory concerns. He noted that, according to the chemist, most of the GRO data from SWMUs 60 and 65 would be useable. The issue of acetone has still not been resolved.

The meeting was adjourned for lunch at 11:15 am, and reconvened at 1:00 pm (with the same people present).

Regarding the risk assessment at SWMU 1, it was decided by the BCT to have EnSafe collect three additional surface soil samples (0-1 ft) just off the runway pavement. A full scan analysis will be required. The data will be used to conduct a Preliminary Risk Assessment to close-out the site.

At SWMU 10, it was determined by the team to conduct additional geophysics of the area, and use geoprobe to sample around the perimeter of the landfill. The work will be accomplished under a Technical Memorandum, rather than a full Work Plan. EnSafe will develop the Tech Memo.

The team discussed that strategy for SWMU 60. It was decided to postpone any removal of the hot spot, pending more information from the community on the exact placement of the roadway through the area. If the proposed road is going through the landfill, a removal will most likely be required. Mark Taylor will contact the Tennessee Department of Transportation (TN DOT) to determine their policies about roadway construction through debris landfills. David Porter will discuss the issue with the reuse committee, and determine if an alternate route for the road is possible. It was decided to finalize the RFI report. If a removal is undertaken, a CMS will not be required.

The team discussed the concept of a CMS for groundwater. David Williams stated that the RFI Reports should be finalized for all the SWMUs, and that the SWMUs should be closed-out from a soil standpoint where possible, recommending that groundwater be handled under a single CMS. SWMU 7 will remain open until all the wells have been installed.

The team developed a strategy for the Turkey Shoot Area. Mark Taylor will obtain the geostatistical data generated by Dr. Rouhani for the site (this will be used to determine that extent of the area of concern). Before a removal is considered, EnSafe will conduct a risk assessment.

In support of the development of the Business Plan, the team brainstormed on the question: "What is the process to "handle" groundwater?"

At 3:45 pm, Dr. Tom Byl, Jim Kingsbury, and Tim Deal (all from USGS) joined the meeting. Dr. Byl showed a video presentation on the effectiveness of natural bioattenuation of

trichloroethene at a site in Michigan. Following the presentation, he discussed an 8 step process to determine if biotransformation is feasible (these 8 steps were developed by Frank Chapelle with the USGS):

- (1) Determine oxic/anoxic conditions.
- (2) Determine direction and rate of groundwater flow.
- (3) Determine the size of the contaminant plume.
- (4) Determine size of the hypothetical plume.
- (5) Compare observed plume and the hypothetical plume.
- (6) Estimate the sorptive capacity and dispersion of aquifer material.
- (7) Estimate rates of biodegradation using field methods.
- (8) Estimate rates of biodegradation using laboratory methods.

Dr. Byl noted that biodegradation rates are site-specific. There are no literature values. Anaerobic conditions are needed for the degradation of chlorinated solvents. When measuring for oxic/conditions, dissolved oxygen should be measured with a titration method rather than a meter. Methane should also be measured.

Jack Carmichael will take the lead on securing USGS as a consultant on biotransformation issues, and will develop a list of extra parameters needed to conduct the analysis.

The meeting was adjourned for the day at 5:00 pm.

Note: A meeting of the Restoration Advisory Board (RAB) was held at 6:30 pm at Baker Community Center. Minutes from this meeting will be distributed separately.

The BCT reconvened at 8:00 am on Wednesday morning at EnSafe, the following people were present:

Lawson Anderson, EnSafe (Memphis)
Jack Carmichael, USGS (Nashville)
Keith Johns, EnSafe (Raleigh)
Jim Morrison, TDEC (Memphis)
David Porter, SOUTHDIV
Robert Smith, EnSafe (Memphis)
Mark Taylor, SOUTHDIV
David Williams, EPA Region IV
Rob Williamson, NSA Memphis

In discussing the RAB meeting of the previous evening, Keith Johns and David Williams noted that more of a "warm-up" is needed from CAPT Mallory or Mayor Harvell (i.e., introduce community members, visitors, etc.). David Porter stated that he will discuss the issue with CAPT Mallory, and if need be, one of the BCT members can take over the "warm-up" function. Rob Williamson stated that photographs would improve the presentations and would be helpful when discussing the various sites. Lawson Anderson noted that it would be possible to use the

fly-over photos for this purpose. Keith Johns requested that Mayor Harvell be polled after each meeting to gather input from the community perspective. Rob Williamson volunteered to perform this task. It was decided that the agenda for the March RAB meeting will include a presentation of the Business Plan.

David Williams requested that each BCT meeting agenda include a meeting with the reuse committee. David Porter will take action on this item.

Regarding the issue of IDW, it was decided that there is no need to containerize at background sites. At SWMUs, the IDW can be managed on site (placed on and covered with plastic - rather than drumming) pending laboratory analysis. At some SWMUs this will be impractical from an aesthetic standpoint, but it should be possible at SWMUs 2 and 9. David Williams will investigate and research the issue to ensure that they do not need to be declared CAMUs. Rob Williamson will get activity approval. EnSafe will use Murphy to handle the IDW after analysis.

Location of utilities prior to DPT/drilling has become an issue, as Environmental can no longer support these requests from EnSafe. Environmental can request the service from DynCorps, but a minimum of 2 weeks is needed. Rob Williamson will investigate the possibility of EnSafe contracting directly with DynCorps for utility locations.

The meeting was adjourned at 10:30 am.